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To: ["Magorrian, Matthew"](#)  
Date: 3/12/2019 8:53:29 AM  
Subject: \*\*\* Corrected soil removal data \*\*\* - Lindsey Lake Tanker Truck Spill (I-84, MP 54; OERS 2019-0334)

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Hello all,

A correction to the final Lindsey Lake update I sent out yesterday evening: We removed a total of **4,783 tons of petroleum-contaminated soil** during the operation, not the 2,672 tons I mistakenly reported. All other information in the update is correct.

Apologies for the error.

Very respectfully,

Jamie

**From:** COLLINS Jamie

**Sent:** Monday, March 11, 2019 4:32 PM

**Subject:** Update - 11 Mar 2019 - Lindsey Lake Tanker Truck Spill (I-84, MP 54; OERS 2019-0334)

Hello all:

We have concluded the emergency operations phase of our response to the Lindsey Lake (Space Age Fuels) Tanker Truck Spill, which occurred on February 11, 2019. This will be the final regular interagency update on the response effort. As is evident from the activities below, we are now turning our attention toward restoration, final cleanup, and longer term monitoring.

Unified Command has sincerely appreciated the cooperation and assistance of our many Federal, state, local, and tribal partners, and the many private contractors who came together to make this challenging operation a success.

#### **Operations:**

- Removal of petroleum-contaminated snow and soil is complete. We have removed a total of ~~2,672~~ 4,783 tons of contaminated soil and 2,070 cubic yards of contaminated snow from the spill site. This includes several tons of diesel-laden snow that was spread along both sides of the highway during snow clearance operations. More than 10,000 pounds of absorbent was deployed and recovered since the spill occurred on February 11. Additional contaminated media and diesel fuel were recovered using a vacuum truck.
- Backfilling of the excavated areas on both sides of the highway was completed this weekend.
- We have installed four wells on the north (westbound) road shoulder. These will be used for monitoring and, if needed, extraction of remaining diesel fuel. We did not detect any diesel fuel in the borings when we installed the wells, but they are installed in a location that will allow us to detect and intercept any fuel that does eventually migrate from beneath the roadway toward Lindsey Lake.
- Soil samples collected along a 50-80 foot stretch of the westbound road shoulder last week indicate there is some significant contamination still present beneath the paved roadway. We drilled six borings into the shoulder today to definitively characterize the extent of this remaining contamination. Field screening of material from the borings indicates the contamination is likely confined to a small strip of fill immediately along the edge of the highway. We will be using the information from the boring samples to evaluate our options for further removal; any operations would take place later this spring once the risk of winter weather has passed.

#### **Future outlook:**

- Later this spring, we will complete seeding of the new topsoil on the south side of the highway and begin restoration of the impacted Lindsey Lake shoreline and the affected banks of Lindsey Creek. DEQ will circulate a draft restoration plan to interested natural resource trustees as soon as we receive it.
- We will be executing a plan in the coming weeks to recover some contaminated sorbent material that remains on the steep hillside above the eastbound lanes and scenic trail.
- Regular shoreline monitoring and water sampling will continue through the spring and summer. We will continue to monitor our erosion control measures for effectiveness, with particular attention before and after rain events.
- Hard boom will be maintained on Lindsey Lake for protection and containment until DEQ is satisfied that any

- remaining contamination no longer poses a threat to the waters of Lindsey Lake or Lindsey Creek. Sorbent boom will be replaced as necessary.
- All of these activities will be executed under our 15<sup>th</sup> (and final) Incident Action Plan, which was approved by Unified Command last week.

**Environmental monitoring and assessment notes:**

- We continue to observe sheens within the primary containment area on Lindsey Lake and within the area we have boomed off along the bank of Lindsey Creek.
- The circumstances of the spill have made it difficult to build an accurate mass balance (i.e., an accounting of the fate of the spilled fuel). Our best estimate is that we've recovered between 35% and 65% of the 4,402 gallons of diesel fuel that was spilled.

Very respectfully,

Jamie

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